

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Project ID: 580-17530-1
Client Job ID: Rainier Commons

For:
Clean Harbors Environmental Services Inc
19320 Des Moines Memorial Dr
Bldg D, Suite 400
Seatac, Washington 98148

Attn: Shawn Estrada

Pamela R. Johnson

Authorized for release by:
2/3/2010 11:35 AM

Pam Johnson
Project Manager I
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Detection Summary

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Client Sample ID: RC 250110

Lab Sample ID: 580-17530-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
PCB-1254	1.4		0.052		mg/Kg	5	*		8082	Total/NA
PCB-1260	0.92		0.052		mg/Kg	5	*		8082	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil	Fac	D	Method	Prep Type
Percent Solids	95		0.10		%	1			Moisture	Total/NA
Percent Moisture	5.4		0.10		%	1			Moisture	Total/NA



Analytical Data

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Client Sample ID: RC 250110

Lab Sample ID: 580-17530-1

Date Collected: 01/24/10 00:00

Matrix: Solid

Date Received: 01/25/10 12:50

Percent Solids: 94.6

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
PCB-1221	ND		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
PCB-1232	ND		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
PCB-1242	ND		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
PCB-1248	ND		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
PCB-1254	1.4		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
PCB-1260	0.92		0.052		mg/Kg	✱	01/26/10 14:20	02/01/10 15:58	5
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	84		45 - 155				01/26/10 14:20	02/01/10 15:58	5
DCB Decachlorobiphenyl	87		60 - 125				01/26/10 14:20	02/01/10 15:58	5

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95		0.10		%			01/26/10 15:24	1
Percent Moisture	5.4		0.10		%			01/26/10 15:24	1

Quality Control Data

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 580-57576/1-A

Matrix: Solid

Analysis Batch: 57561

Client Sample ID: MB 580-57576/1-A

Prep Type: Total/NA

Prep Batch: 57576

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1
PCB-1221	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1
PCB-1232	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1
PCB-1242	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1
PCB-1248	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1
PCB-1254	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1
PCB-1260	ND		0.010		mg/Kg		01/26/10 14:20	01/26/10 16:43	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-m-xylene	81		45 - 155	01/26/10 14:20	01/26/10 16:43	1
DCB Decachlorobiphenyl	74		60 - 125	01/26/10 14:20	01/26/10 16:43	1

Lab Sample ID: LCS 580-57576/2-A

Matrix: Solid

Analysis Batch: 57561

Client Sample ID: LCS 580-57576/2-A

Prep Type: Total/NA

Prep Batch: 57576

Analyte	Spike Added	LCS LCS		Unit	% Rec.	Limits
		Result	Qualifier			
PCB-1016	0.100	0.100		mg/Kg	100	40 - 140
PCB-1260	0.100	0.116		mg/Kg	116	60 - 130

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
Tetrachloro-m-xylene	90		45 - 155
DCB Decachlorobiphenyl	80		60 - 125

TestAmerica Seattle

02/03/2010

RCLLC 0001545

Lab Chronicle

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Client Sample ID: RC 250110

Lab Sample ID: 580-17530-1

Date Collected: 01/24/10 00:00

Matrix: Solid

Date Received: 01/25/10 12:50

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Prep	3550B		5	57576	01/26/10 14:20	KKJ	TestAmerica Seattle
Total/NA	Analysis	8082		5	57833	02/01/10 15:58	SLC	TestAmerica Seattle
Total/NA	Analysis	Moisture		1	57590	01/26/10 15:24	KKJ	TestAmerica Seattle

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Certification Summary

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Laboratory	Program	Authority	EPA Region	Certification ID	Expiration Date
TestAmerica Seattle	DoD ELAP	L-A-B	0	L2236	01/19/13
TestAmerica Seattle	ISO/IEC 17025	L-A-B	0	L2236	01/19/13
TestAmerica Seattle	State Program	Alaska	10	UST-022	03/04/10
TestAmerica Seattle	State Program	Washington	10	C1226	02/17/10
TestAmerica Seattle	USDA			P330-08-00099	05/22/11

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Method	Method Description	Protocol	Laboratory
3082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL TAC
Moisture	Percent Moisture	EPA	TAL TAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL TAC = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Clean Harbors Environmental Services Inc
Project/Site: Rainier Commons

TestAmerica Job ID: 580-17530-1

Lab Sample ID	Client Sample ID	Matrix	Sampled	Received
580-17530-1	RC 250110	Solid	01/24/10 00:00	01/25/10 12:50



Tel. (701) 624-5622

☐ Other[illegible]

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Login Sample Receipt Check List

Client: Clean Harbors Environmental Services Inc

Job Number: 580-17530-1

Login Number: 17530

List Source: TestAmerica Tacoma

Creator: Gamble, Cathy

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	Received within 4 hours of sampling
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
✓OA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	False	
Sample Preservation Verified	N/A	